

JARREL SERVICES, INC.

POST OFFICE BOX 1654

PHONE 505 393-5396

HOBBS, NEW MEXICO 88240

COMPANY: Pogo Production Company

WELL: Pogo State, No. 1 M. 2 21-28

FIELD: *Land Point*
Undesignated - Morrow

CHRONOLOGICAL PRESSURE DATA

DATE	STATUS OF WELL	TIME	ELAPSED TIME		SURFACE PRESSURE		BHP @ (-8806)	
			HRS.	MIN.	TBG	CSG	11980'	12141' PSIG
1980								
4/10	Swabbed & Open. Run							
	Open Gradient w/Tandem							
	Bombs & Set Bombs off							
	@ 11980'	3:45	0	00	0	PKR	599	612
	Shut in	4:00	0	15	0	-	599	612
	"	4:15	0	15	-	-	707	760
	"	4:30	0	30	-	-	815	868
	"	5:00	1	00	-	-	955	1008
	"	6:00	2	00	-	-	1236	1289
	"	7:00	3	00	-	-	1503	1556
	"	8:00	4	00	-	-	1719	1772
	"	9:00	5	00	-	-	1924	1977
	"	10:00	6	00	-	-	2076	2129
	"	11:00	7	00	-	-	2195	2248
	"	12:00 MN	8	00	-	-	2308	2361
4/11	"	1:00 AM	9	00	-	-	2384	2437
	"	2:00	10	00	-	-	2465	2518
	"	3:00	11	00	-	-	2522	2575
	"	4:00	12	00	-	-	2579	2632
	"	5:00	13	00	-	-	2635	2688
	"	6:00	14	00	-	-	2673	2726
	"	7:00	15	00	-	-	2717	2770
	"	8:00	16	00	-	-	2761	2814
	"	9:00	17	00	-	-	2792	2845
	"	10:00	18	00	-	-	2824	2877
	"	11:00	19	00	-	-	2855	2908
	"	12:00 N	20	00	-	-	2881	2934
	"	1:00 PM	21	00	-	-	2912	2965
	"	2:00	22	00	-	-	2975	3028
	"	3:00	23	00	-	-	3031	3084
	"	4:00	24	00	-	-	3069	3122
	"	5:00	25	00	-	-	3119	3172
	"	6:00	26	00	-	-	3113	3166
	"	7:00	27	00	-	-	3101	3154
	"	8:00	28	00	-	-	3088	3141
	"	9:00	29	00	-	-	3069	3122
	"	10:00	30	00	-	-	3057	3110
	"	11:00	31	00	-	-	3057	3110
	"	12:00 MN	32	00	-	-	3057	3110
4/12	"	1:00 AM	33	00	-	-	3050	3106
	"	2:00	34	00	-	-	3050	3106
	"	3:00	35	00	-	-	3050	3106
	"	4:00	36	00	-	-	3050	3106

WELL: Pogo State. 1 1

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DATE	STATUS OF WELL	TIME	ELASPED TIME		SURFACE PRESSURE		BHP @ (-8806)	
			HRS.	MIN.	TBG	CSG	11980'	12141'PSIC
	Shut in	5:00	37	00	-	-	3044	3097
	"	6:00	38	00	-	-	3044	3097
	"	7:00	39	00	-	-	3050	3097
	"	8:00	40	00	-	-	3056	3109
	"	9:00	41	00	-	-	3063	3116
	"	10:00	42	00	-	-	3069	3122
	"	11:00	43	00	-	-	3075	3128
	"	12:00 N	44	00	-	-	3082	3135
	"	1:00 PM	45	00	-	-	3088	3141
	"	2:00	46	00	-	-	3088	3141
	"	3:00	47	00	-	-	3088	3141
	"	4:00	48	00	-	-	3101	3154
	"	5:00	49	00	-	-	3101	3154
	"	6:00	50	00	-	-	3107	3160
	"	7:00	51	00	-	-	3107	3160
	"	8:00	52	00	-	-	3107	3160
	"	9:00	53	00	-	-	3107	3160
	"	10:00	54	00	-	-	3119	3172
	"	11:00	55	00	-	-	3119	3172
	"	12:00 MN	56	00	-	-	3126	3179
4 13	"	1:00 AM	57	00	-	-	3126	3179
	"	2:00	58	00	-	-	3132	3185
	"	3:00	59	00	-	-	3132	3185
	"	4:00	60	00	-	-	3138	3191
	"	5:00	61	00	-	-	3138	3191
	"	6:00	62	00	-	-	3138	3191
	"	7:00	63	00	-	-	3138	3191
	"	8:00	64	00	-	-	3145	3198
	"	9:00	65	00	-	-	3145	3198
	"	10:00	66	00	-	-	3151	3198
	"	11:00	67	00	-	-	3151	3198
	"	12:00 N	68	00	-	-	3157	3210
	"	1:00 PM	69	00	-	-	3157	3210
	"	2:00	70	00	-	-	3157	3210
	"	3:00	71	00	-	-	3157	3210
	"	4:00	72	00	-	-	3164	3217
	"	5:00	73	00	-	-	3170	3223
	"	6:00	74	00	-	-	3170	3223
	"	7:00	75	00	-	-	3170	3223
	"	8:00	76	00	-	-	3170	3223
	"	9:00	77	00	-	-	3170	3223
	"	10:00	78	00	-	-	3170	3223
	"	11:00	79	00	-	-	3170	3223
	"	12:00 MN	80	00	-	-	3170	3223
4 14	"	1:00 AM	81	00	-	-	3170	3223
	"	2:00	82	00	-	-	3170	3223
	"	3:00	83	00	-	-	3170	3223
	"	4:00	84	00	-	-	3170	3223
	"	5:00	85	00	-	-	3170	3223
	"	6:00	86	00	-	-	3170	3223
	"	7:00	87	00	-	-	3176	3229
	"	8:00	88	00	-	-	3176	3229
	"	9:00	89	00	-	-	3176	3229
	"	10:00	90	00	-	-	3182	3235

WELL: Pogo State. 1

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DATE	STATUS OF WELL	TIME	ELASPED TIME		SURFACE PRESSURE		BHP @ (-8806)	
			HRS.	MIN.	TBG	CSG	11980'	12141' PSI
	Shut in	11:00	91	00	-	-	3182	3235
	"	12:00 N	92	00	-	-	3189	3242
	"	1:00 PM	93	00	-	-	3189	3242
	"	2:00	94	00	-	-	3189	3242
	Fished Bombs & Run Static Gradient	3:00	95	00	-	-	3189	3242

JAI REL SERVICES, INC.

POST OFFICE BOX 1654

PHONES 505 393-5396 -- 393-8274

HOBBS NEW MEXICO 88240

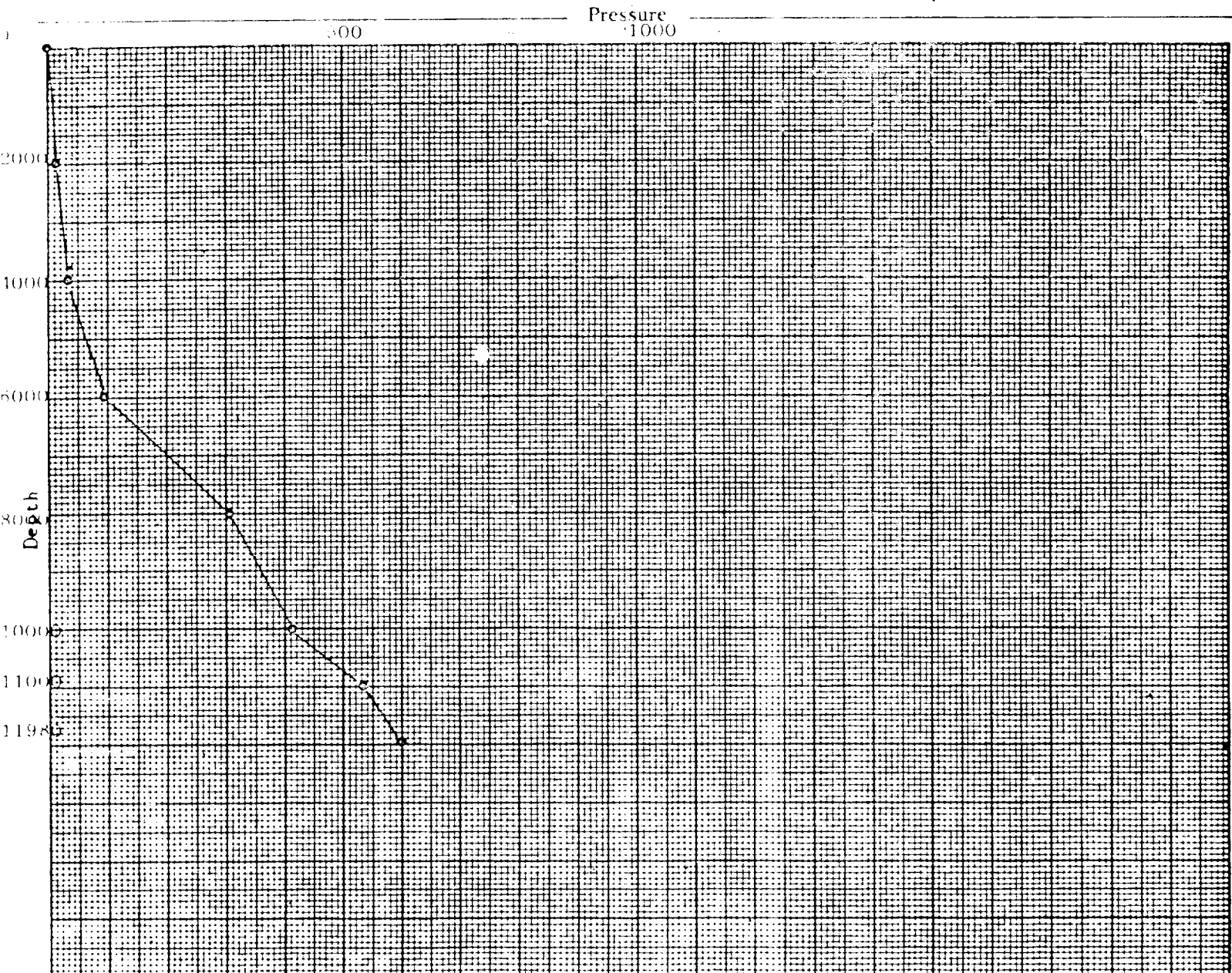
BOTTOM HOLE PRESSURE RECORD

OPERATOR Pogo Production Company
 FIELD Indesignated
 FORMATION Morrow
 LEASE Pogo State WELL # 1
 COUNTY Eddy STATE New Mexico
 DATE April 10, 1980 TIME 3:45 PM
 Status Swabbed & Open
 Test Depth 11980'
 Log S. I. - Last test date Initial
 Tap Pres. 0 BHP last test -
 Cas. Pres. PKR BHP change -
 Fluid top Open
 Water top -
 Run by JSI #13
 Chart No. 1

Depth	Pressure	Gradient
0	0	-
2000	13	.007
4000	32	.010
6000	96	.032
8000	255	.080
10000	414	.080
11000	522	.108
11980	599	.079
12141 (-8806)	612 * **	(.079)

* EXTRAPOLATED PRESSURE

** MIDPOINT OF CASING PERFORATIONS



JARREL SERVICES, INC.

BOTTOM HOLE PRESSURE @ (-8806) 12141 PSIG

4000

3000

2000

1000

0

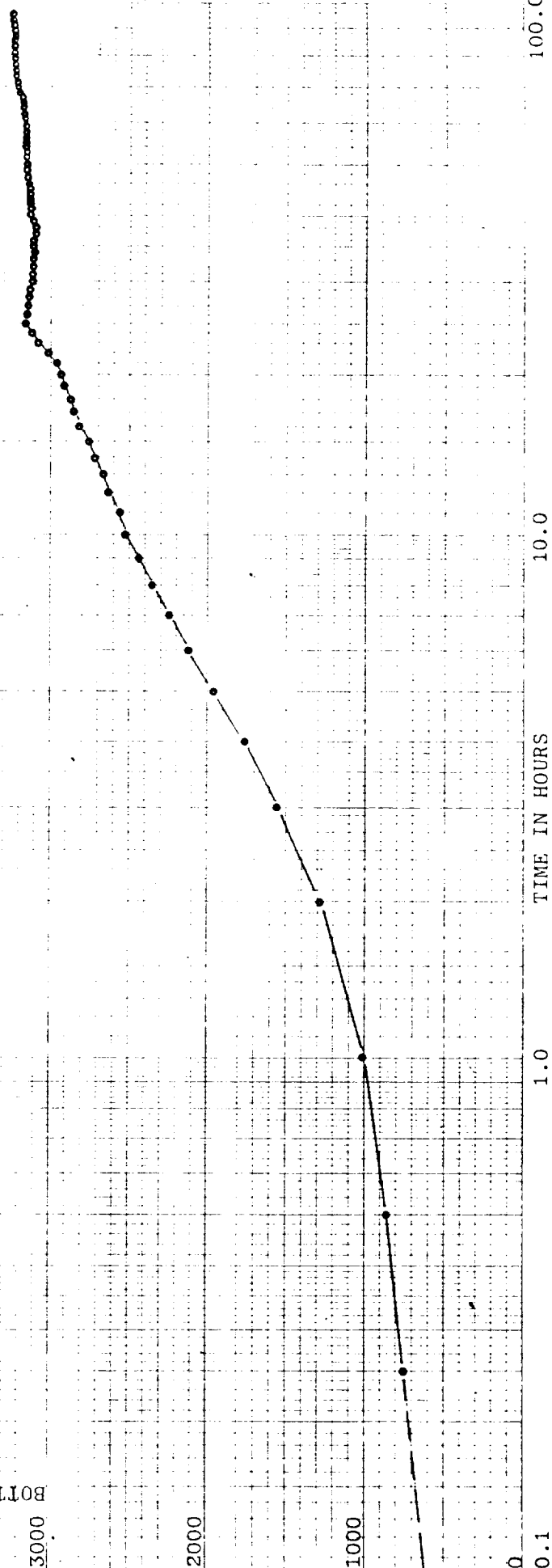
0.1

1.0

TIME IN HOURS

10.0

100.0



JA. REL SERVICES, I. C.

POST OFFICE BOX 1654

PHONES 505 393-5396 — 393-8274

HOBBS, NEW MEXICO 88240

BOTTOM HOLE PRESSURE RECORD

OPERATOR Pogo Production Company
 FIELD Undesignated
 FORMATION Morrow
 LEASE Pogo State WELL #1
 COUNTY Eddy STATE New Mexico
 DATE April 14, 1980 TIME 3:00 PM
 Status Shut in
 Test Depth 11980'
 Time S. I. 95.0 hrs. Last test date -
 Tub Pres. 2308 BHP last test -
 Cas. Pres. PKR BHP change -
 Elev. 5535' KB-16 Fluid top 11627'
 Datum (-8806) ** Water top -
 Temp. @ 196 F Run by JSI #13
 Cal. No. A13682N Chart No. 2

Depth	Pressure	Gradient
0	2308	-
2000	2436	.064
4000	2568	.066
6000	2700	.066
8000	2832	.066
10000	2964	.066
11000	3031	.067
11980	3189	.161
12141 (-8806)	3242 * **	(.330)

* EXTRAPOLATED PRESSURE

** MIDPOINT OF CASING PERFORATIONS

